

## PATENT SPECIFICATION

DRAWINGS ATTACHED

819,778



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## COMPLETE SPECIFICATION

## Improvements in Apparatus for Applying Lotions, Dyes, Bleaches or like Liquids to the Hair.

I, FLETA McDUGALL-KALEY, a British Subject, of Via Antonio Bosis 13, Rome, Italy, do hereby declare the invention, for which I pray that a patent may be granted to me, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to apparatus for applying liquids to the scalp, and has for its object to provide improvements in the apparatus claimed in my Patent Specification No. 808,762, which improvements render the apparatus more effective and controllable.

In my Specification No. 808,762 I have described and claimed apparatus for applying liquid to the scalp comprising a body, having at one end thereof a hair parting member, a liquid reservoir, and a channel for conveying liquid from said reservoir to a cavity in the underside of the body and adjacent but spaced from the hair parting member, a rotary brush being mounted in said cavity, so that when said apparatus is passed over the scalp with the hair parting member leading, said liquid is applied to the hair by the rotary brush in the parting formed by the parting member.

I have further described and claimed in that application apparatus for applying liquids to the scalp comprising a body, a hair parting member on said body, means for attaching a reservoir for liquid to said body, and a channel in said body for conveying liquid from a reservoir attached to said body to a rotary brush mounted in a cavity in the body the said liquid being applied by the brush to the hair in the parting formed by the parting member.

According to the present invention, in apparatus for applying liquids to the scalp according to claim 1 or 2 of Specification No. 808,762, the channel leads into a further cavity in the body above the cavity in which the rotary brush is mounted and the liquid

is fed from the said cavity to the rotary brush.

The invention is hereinafter described with reference to the accompanying drawings, in which:—

Figure 1 is a side elevation, similar to Figure 1, of Patent Specification No. 808,762 of a form of apparatus according to the present invention;

Figure 2 is a front elevation of the apparatus shown in Figure 1; and

Figure 3 is a longitudinal section through the apparatus shown in Figure 1.

The apparatus shown in the drawings comprises a body 31 which, like the body 10 of the apparatus described in Patent Specification No. 808,762, is of small width compared with its length and height, the body having its greatest height at its centre and tapering towards its ends. A rounded point 32 at the forward end of the body constitutes a hair-parting member, and at the rear end there is provided an upwardly-opening screw-threaded socket 33. In the lower edge of the body, about midway between its ends, is formed a flat-sided slot 34, of part-circular shape as viewed from the side of the apparatus, the lower edge of the body, at the mouth of the slot, being concentric with, but of smaller radius than, the curved wall of the slot. Directly above the slot 34 there is formed in the body a cavity 35 which communicates with the said slot through a plurality of apertures 36 spaced along the central part of the curved wall of the slot. A passage 37 in the body leads upwardly from the bottom of the screw-threaded socket 33 to the top of the cavity 35.

A pair of lateral ribs 38, 38 extend from the point 32 in a rearward direction, the ribs increasing in depth towards the centre of the body, and curving upwardly in a rearward direction. Below the upwardly-curved

portions of the ribs 38, between the point 32 and the slot 34, there are provided a pin 39 and a tooth 41.

5 In the slot 34 there is mounted, on a spindle 42, a circular brush 43 which is free to rotate in the said slot.

10 The screw-threaded socket 33 is adapted to receive the screw-threaded neck of a container 44, of elongated bulbous shape as shown, the container 44 being resiliently deformable.

15 Both the body 31 and the container 44 are preferably formed of thermoplastic material by moulding. The material is conveniently transparent.

20 The apparatus shown in the drawings is used in substantially the same manner as that shown in the drawings accompanying Patent Specification No. 808,762, the body being held between the thumb and the tips of the fingers in such a way that the container 44 can be squeezed whilst the body is so held. The cavity 35 is filled with the liquid by squeezing the container 44, and the brush 43 receives the substance from the cavity 35, the said liquid flowing by gravity on to the brush. Thus a regular flow is achieved without continuous manipulation of the container 44, and the operation is less  
30 fatiguing. Temporary increase of flow can

be achieved by squeezing the container 44 sufficiently to fill the cavity 35 and produce a slight increase of pressure therein. The term "liquid" is to be understood as including semi-liquid substances such as creams 35 which flow readily under slight pressure.

#### WHAT I CLAIM IS:

1. Apparatus for applying liquids to the scalp according to claim 1 or 2 of Patent Specification No. 808,762, wherein the channel leads into a further cavity in the body above the cavity in which the rotary brush is mounted and the liquid is fed from the said further cavity to the rotary brush. 40

2. Apparatus according to claim 1, 45 wherein the channel leads into the upper end of the further cavity and is so arranged that liquid flows upwardly from the reservoir into said cavity.

3. Apparatus for applying liquids to the scalp according to claim 1 or 2 of Patent Specification No. 808,762, substantially as described with reference to, and as shown in, the accompanying drawings. 50

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819,778  
1 SHEET

## COMPLETE SPECIFICATION

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